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| Week 1 January 5th-9th | Unit Of Inquiry | Math | Language | Notes |
| In your homework diaries, answer the following question, giving 5 possibilities: **What if the world’s supply of wood was completely wiped out?** | Spend 10 minutes, twice this week practicing multiplication and division on Mathletics.com. | **A-Z Vocabulary** Compile a list of words you think might be related to our new unit finding a word for each letter of the alphabet. Due at the end of Week 3 |  |

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| Week 2 January 12th-16th | Unit Of Inquiry | Math | Language | Notes |
| If I said “It should be against the law in every country in the world for people to live in houses with a roof on top,” think of some consequences. Try to find 5 consequences and list them in your diary. | Spend 10 minutes, twice this week practicing multiplication and division on Mathletics.com. | **A-Z Vocabulary** Compile a list of words you think might be related to our new unit finding a word for each letter of the alphabet. Due at the end of next week. |  |

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| Week 3 January 19th-23rd | Unit Of Inquiry | Math | Language | Notes |
| The answer is **arch**. What is the question? Try to find 5 questions. Your questions should show thought. Questions such as “What does a-r-c-h spell?” don’t show thought. If need be, use your research skills to find out what you can about an arch. | Spend 10 minutes, twice this week practicing multiplication and division on Mathletics.com. | **A-Z Vocabulary** Compile a list of words you think might be related to our new unit finding a word for each letter of the alphabet. Due at the end of this week. |  |

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| Week 4 January 26th-30th | Unit Of Inquiry | Math | Language | Notes |
| Interpretation: Think of 3 or 4 possible explanations for this unusual situation. Write them in your homework diary. “People are no longer living above ground.” | Do some research on the strength of various shapes. Create a chart that shows the strengths and weaknesses of at least three shapes. Decide what structures those shapes work best for. You can use the following websites for your research:  <http://to.pbs.org/1eeq1Rp>  <http://bit.ly/1lK2bj8>  <http://ab.co/19M5PJI>  Due at the end of week 5. | Choose an architect or engineer to research and present a report on. You may choose to create a Power Point, Prezi, poster or some other form for presenting what you learn. Due at the end of week 6. |  |

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| Week 5 February 9th-13th | Unit Of Inquiry | Math | Language | Notes |
| Choose one project from the following **two** to work on and test at home. You will test your structure at school at the end of week 6.  **Project 1:** Using 9 art straws and some safety pins, create a structure as tall as possible that can withstand the weight of a full soda can.  **Project 2:** Using 30 mini-marshmallows and 30 toothpicks, create a structure that can withstand an earthquake. Structure will be tested at school in a pan of jello. Structure will be tested in class at the end of week 6. | Continue your research on shapes. Due this week. | Continue your work on the report of an architect or engineer You may choose to create a Power Point, Prezi, poster or some other form for presenting what you learn. Due at the end of week 6. |  |

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| Week 6 February 16th-20th | Unit Of Inquiry | Math | Language | Notes |
| Continue your work on structural project. Due to be tested at the end of this week. | Spend some time playing the game at the following link. <http://bit.ly/1cSGJHN>  What successes did you have? What struggles did you encounter? Record your response in your Homework diary. | Continue your work on the report of an architect or engineer You may choose to create a Power Point, Prezi, poster or some other form for presenting what you learn. Due this week. |  |